



SHEET 1 OF 25

**FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office**

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

1309.43669X00

SERIAL NO.

10/802,913

APPLICANT
Hiroshi SUZUKI et al.

FILING DATE
March 18, 2004

GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR
		6	6	3	6	9	3	4					
	5 9 5 1 6 9 1	09/99	Ng et al										
	6 1 1 5 7 9 7	09/00	Kanda et al										
	6 1 7 3 3 6 0	1/01	Beardsley et al										
	6 5 5 3 4 0 8	4/03	Merrell et al										
	6 6 0 6 6 9 0	8/03	Padovano										
	6 7 7 2 3 6 5	8/04	Obara										
AA 004	2 0 1 6 2 9 4 0	8/04	Yagisawa et al										
	2 0 2 2 1 0 6 1	11/03	EI-Batal										
AA 003													

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
AA		0 8 4 4 5 6 1							5/98	European			YES

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark OfficeINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

1309.43669X00

SERIAL NO.

10/802,913

APPLICANT
Hiroshi SUZUKI et al.FILING DATE
March 18, 2004GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROP
		6	1	0	8	7	4	8					
		6	5	1	0	4	9	1	08/00	Ofek et al			
		6	6	5	1	1	3	7	11/03	Franklin et al			
		6	7	0	8	2	3	2	03/04	Obara et al			
		5	5	4	6	5	5	8	8/96	Jacobson et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
		1	3	1	5	0	7	4						
		AA	1	3	1	5	0	7	4	5/03	European			YES

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office**

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

1309.43669X00

SERIAL NO.

10/802,913

APPLICANT
Hiroshi SUZUKI et al.

FILING DATE
March 18, 2004

GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROP
AA		2	0	1	9	3	7	6	0	9/04	Matsunami et al			
		2	0	1	9	9	5	1	5	10/04	Penny et al			
		2	0	1	3	8	7	0	5	9/02	Suzuki et al			
		2	0	2	2	1	0	7	7	11/03	Ohno et al			
		2	0	0	1	0	6	6	2	1/04	Aruga			
		7	0	8	0	2	0	1	7/06	Suzuki, et al				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 (6-4))

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)									ATTY. DOCKET NO.	SERIAL NO.
									1309.43669X00	
APPLICANT Hiroshi SUZUKI et al.									FILING DATE	
									March 18, 2004	
									2836	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROP
<i>AA</i>	2 0 0 4	0	1	2	8	6	2	7	7/04	Zayas			
	2 0 0 3	0	0	9	7	6	0	7	5/03	Bessire			
	2 0 0 4	0	0	1	0	6	6	0	1/04	Konshak et al			
	2 0 0 4	0	0	7	8	7	0	7	4/04	Apperley et al			
	2 0 0 4	0	0	7	3	7	4	7	4/04	Lu			
	2 0 0 4	0	1	7	7	2	1	8	9/04	Meehan et al			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark OfficeINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

1309.43669X00

SERIAL NO.

10/802,913

APPLICANT
Hiroshi SUZUKI et al.FILING DATE
March 18, 2004GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROP
		5	6	0	3	0	0	3					
	AK	5	8	6	7	7	3	6	2/97	Akizawa et al			
		5	8	8	4	0	9	8	2/99	Jantz			
		5	8	8	4	0	9	8	3/99	Mason, Jr.			
		6	2	1	9	7	5	2	4/01	Sekido			
		6	2	2	3	2	4	9	4/01	Kato et al			
		6	5	4	9	9	7	8	5/03	Mansur et al			
		6	6	4	0	2	7	8	10/03	Nolan et al			
		6	6	8	4	2	9	5	1/04	Fujimoto et al			
		6	7	4	5	2	8	7	6/04	Fujimoto et al			
		6	2	0	1	6	9	2	3/01	Gamble et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT YES
		2	3	3	3	9	5	4					
	AK	2	0	0	2				11/02	Japan			
	AA	2	0	0	4				6/04	Japan			

EXAMINER DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 (6-4))

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)							ATTY. DOCKET NO.	SERIAL NO.
							1309.43669X00	10/802,913
							APPLICANT Hiroshi SUZUKI et al.	
							FILING DATE March 18, 2004	GROUP 2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR
A	6	6	2	8	5	1	3	9/03	Gallagher et al			
	6	8	3	1	8	3	9	12/04	Bovell			
	6	0	6	1	7	5	0	5/00	Beardsley et al			
	6	7	6	3	4	3	6	7/04	Gabber et al			
	6	7	9	2	4	8	6	9/04	Hanan et al			
	6	1	3	7	6	7	9	10/00	Chang			
	6	3	5	1	3	7	5	2/02	Hsieh et al			
	6	4	8	4	2	3	6	11/02	Fujimoto et al			
	6	4	8	4	2	6	9	11/02	Kopylovitz			
	6	7	2	8	9	2	2	4/04	Sundaram et al			
	5	4	7	5	8	1	4	12/95	Tomimitsu			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
								YES
A		2 1 8 8 8 3 5		7/90	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

A	IBM Technical Disclosure Bulletin vol. 38, No. 7, July 1995 (New York), "Foreground/Background Checking of Parity in a Redundant Array of Independent Disks-5 Storage Subsystem", pp. 455-458.
	Laboratory Automation and Information Management 32, 1996, (Elsevier Science B.V.), R E Dessey, "Computer Connections", pp. 53-62.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 (6-4))

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark OfficeINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

1309.43669X00

SERIAL NO.

10/802,913

APPLICANT
Hiroshi SUZUKI et al.FILING DATE
March 18, 2004GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR
		6	5	0	2	1	0	8					
		6	6	5	8	5	9	2	12/03	Cohen et al			
	2 0 0 2	0	0	0	7	4	6	9	1/02	Taketa et al			
	2 0 0 2	0	0	4	0	4	1	3	4/02	Okada et al			
		6	1	5	4	8	5	0	11/00	Idleman et al			
		6	4	0	0	7	3	0	6/02	Latif, et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT YES
		2	1	4	2	6	5	0					
	2 0 0 1								5/01	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER		DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office**

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

1309.43669X00

SERIAL NO.

10/802,913

APPLICANT
Hiroshi SUZUKI et al.

FILING DATE
March 18, 2004

GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE								NAME	CLASS	SUBCLASS	FILING DA IF APPROP
AK	2 0 0 3	0	0	9	7	5	0	4	5/03	Oeda et al			
	2 0 0 3	0	1	1	5	4	3	7	6/03	Tomita			
	2 0 0 3	0	1	4	5	1	6	7	7/03	Tomita			
	2 0 0 3	0	1	9	6	0	0	2	10/03	Nakayama et al			
	2 0 0 3	0	1	9	6	1	4	7	10/03	Hirata et al.			
	2 0 0 3	0	2	0	4	6	7	1	10/03	Matsunami et al			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO. 1309.43669X00	SERIAL NO. 10/802,913
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		
(Use several sheets if necessary)		
APPLICANT Hiroshi SUZUKI et al.		
FILING DATE March 18, 2004		
GROUP 2836		

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED	

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

BEST AVAILABLE COPY

**FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office**

ATTY. DOCKET NO.

SERIAL NO.

1309.43669X00

10/802,913

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT
Hiroshi SUZUKI et al.FILING DATE
March 18, 2004GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROP
AK	2 0 0 1	11/01	Yamanashi et al			
	2 0 0 1	12/01	Ninomiya et al			
	2 0 0 1	12/01	Ninomiya et al			
	2 0 0 2	10/02	Talagala			
	2 0 0 3	2/03	Rauscher			
	2 0 0 3	9/03	Kennedy			
	2 0 0 4	6/04	Parry et al			
EXAMINER			DATE CONSIDERED			

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office											ATTY. DOCKET NO.	SERIAL NO.	
											1309.43669X00	10/802,913	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)											APPLICANT Hiroshi SUZUKI et al.		
											FILING DATE March 18, 2004	GROUP 2836	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR
		2	0	2	2	1	0	6	1					
A		2	0	0	0	3				11/03	EI-Batal et al			
		2	0	0	4	1	2	7	8	2/03	Lin			
		2	0	2	6	7	5	1	6	12/04	Jibbe et al			
		2	0	0	2	7	9	0	0	2/05	Pettey			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
		YES												
A		9	9	5	0	7	5	4		10/99	WO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

1309.43669X00

10/802,913

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT
Hiroshi SUZUKI et al.FILING DATE
March 18, 2004GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR
<i>AK</i>	2 0 0 3	0 2 3 1 4 2 0	12/03 Kano et al			
	2 0 0 4	0 0 8 8 4 8 2	5/04 Tanzer et al			
	2 0 0 4	0 1 6 9 9 9 6	9/04 Paul et al			
	2 0 0 1	0 0 1 9 5 0 9	9/01 Aho et al			
	2 0 0 3	0 0 4 6 4 6 0	3/03 Inoue et al			
	2 0 0 4	0 1 3 9 2 6 0	7/04 Steinmetz			
	2 0 0 4	0 1 4 8 3 2 9	7/04 Ogasawara et al			
EXAMINER			DATE CONSIDERED			

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office										ATTY. DOCKET NO.	SERIAL NO.	
										1309.43669X00	10/802,913	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)										APPLICANT		
										Hiroshi SUZUKI et al.	FILING DATE	GROUP
										March 18, 2004	2836	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR
AK		2	0	0	4	9	8	8	6	4/02	Furuya et al			
		2	0	1	4	4	0	5	7	10/02	Li et al			
		2	0	1	3	1	2	9	1	7/03	Morrison et al			
		2	0	1	6	7	4	3	9	9/03	Talagala et al			
		2	0	0	9	7	4	8	7	5/03	Rietze et al			
		2	0	1	1	1	4	8	5	6/04	Mimatsu et al			
		2	0	2	6	8	0	3	7	12/04	Buchanan, Jr. et al			
		2	0	2	6	8	0	6	9	12/04	Satoyama et al			
EXAMINER								DATE CONSIDERED						

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this with next communication to applicant.

(Form PTO-1449 (6-4))

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

1309.43669X00

SERIAL NO.

10/802,913

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT
Hiroshi SUZUKI et al.FILING DATE
March 18, 2004GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPRI
	6	2	1	9	7	5	3						
	6	7	7	2	2	8	7		8/04	Uchiyama et al			
	6	6	8	4	2	8	2		1/04	Kocis			
2 0 0 3	0	1	8	2	5	0	2		9/03	Kleiman et al			
2 0 0 2	0	0	1	9	8	9	7		2/02	Cruyningen			
	2	0	2	4	3	3	8	6	12/04	Stolowitz et al			
2 0 0 4	0	2	4	3	3	8	6						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT YES
	2	3	6	1	4	6							
2 0 0 3	3	6	1	4	6				2/03	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark OfficeATTY. DOCKET NO. **1309.43669X00**SERIAL NO.
10/802,913INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Hiroshi SUZUKI et al.

(Use several sheets if necessary)

FILING DATE
March 18, 2004GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROP
<i>AK</i>	2 0 0 3	0 2 1 2 8 5 9	11/03	Ellis		
	2 0 0 4	0 1 4 8 4 6 0	7/04	Steinmetz		
	2 0 0 4	0 1 4 8 4 6 1	7/04	Steinmetz		
	2 0 0 4	0 2 3 6 9 0 8	11/04	Suzuki et al		
	2 0 0 3	0 1 1 0 3 3 0	6/03	Fujie et al		
	5 8 4 5 3 1 9	12/98	Yorimitsu			
	2 0 0 3	0 1 4 9 8 4 0	8/03	Bolt, et al		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Serial Attached SCSI and Serial ATA Compatibility, Intel, 2002, pp. 1-8.

EXAMINER _____ DATE CONSIDERED _____

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office**

ATTY. DOCKET NO.
1309.43669X00

SERIAL NO.
10/802,913

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT
Hiroshi SUZUKI et al.

FILING DATE
March 18, 2004

GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING IF APPROPRI
<i>AK</i>	2 0 0 2	0	1	4	4	0	4	8	10/02	Bolt, et al				
<i>J</i>	2 0 0 2	0	1	4	7	9	4	5	10/02	Fox et al				
	2 0 0 4	0	1	5	3	6	1	4	5/04	Bitner et al				
	2 0 0 3	0	1	6	3	6	3	9	8/03	Baum				
		5	8	3	2	2	0	4	11/98	Apperley et al				
		6	2	4	0	4	8	6	5/01	Ofek et al				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
														YES
<i>AA</i>		5	1	5	0	9	0	9	6/93	Japan				
<i>AA</i>	1	0	3	0	1	7	2	0	11/98	Japan				Eng. Trans

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office**

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

1309.43669X00

SERIAL NO.

10/802,913

APPLICANT
Hiroshi SUZUKI et al.

FILING DATE
March 18, 2004

GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER									DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR
		6	4	4	9	7	0	9						
	6 6 8 4 2 9 5									09/02	Gates			
	6 7 4 5 2 8 7									1/04	Fujimoto et al			
	2 0 0 3	1	1	0	3	3	0			6/04	Fujimoto et al			
	2 0 0 3	0	2	1	2	8	5	9		06/03	Fujie et al			
	2 0 0 3	0	2	1	2	8	5	9		11/03	Ellis et al			
	2 0 0 3	0	2	2	1	0	6	1		11/03	El-Batal et al			
	2 0 0 3	0	0	4	1	2	7	8		2/03	Lin			
	2 0 0 4	0	0	7	8	7	0	7		04/04	Apperley et al			
	2 0 0 4	0	0	1	0	6	6	0		1/04	Konshak			
EXAMINER								DATE CONSIDERED						

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office									ATTY. DOCKET NO.	SERIAL NO.
									1309.43669X00	10/802,913
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)									APPLICANT Hiroshi SUZUKI et al.	
									FILING DATE March 18, 2004	GROUP 2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DAT IF APPROPRU
<i>AK</i>		2	0	1	1	1	5	6	0		Takase et al			
		2	0	2	6	7	5	1	6		Jibbe et al			
		2	0	0	2	7	9	0	0		Pettey			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
														YES
<i>AK</i>		2	1	5	0	7	4	6		05/02	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AK EMC 2-Gigabit Disk-Array Enclosure EMC Corporation (DAE2), FC and ATA Models,
Hardware Reference P/N 014003048, Rev A02

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

1309.43669X00

SERIAL NO.

10/802,913

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT
Hiroshi SUZUKI et al.

FILING DATE
March 18, 2004

GROUP
2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR
AK	2 0 0 5	0	1	1	7	4	6	8	06/05	Kano et al				
	2 0 0 5	0	1	2	0	2	6	3	06/05	Kano et al				
	2 0 0 5	0	1	2	0	2	6	4	06/05	Kano et al				
	2 0 0 5	0	1	5	4	9	4	2	7/05	Kano et al				
		6	2	8	2	6	0	2	8/01	Blumenau et al				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
		0	9	3	3	0	1	8	4	12/97	Japan			YES
AK														XX

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

**FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office**

ATTY. DOCKET NO.

SERIAL NO.

1309.43669X00

10/802,913

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT

Hiroshi SUZUKI et al.

FILING DATE

March 18, 2004

GROUP

2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR
<i>AK</i>		2	0	2	1	6	6	2	4	9/05	Deng et al	710	074	
		2	0	1	6	2	0	4	8	10/02	Ackaret et al			
		6	7	6	3	4	0	9	7/04	Elliott				
		6	0	3	7	7	3	8	3/00	Morita et al	318	625		
		6	4	4	9	7	0	9	9/02	Gates				
		5	8	2	2	7	8	2	10/98	Humlcek et al				
		5	8	1	2	7	5	4	9/98	Lui et al				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT YES
<i>AK</i>		2	3	3	7	8	6	8		12/01	Japan			XX
		2	1	6	7	0	4	0		6/01	Japan			XX
		9	3	3	0	1	8	2	12/97	Japan				XX
		1	0	0	1	3	4	5	5/00	European				

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this with next communication to applicant.

(Form PTO-1449 (6-4))

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)										ATTY. DOCKET NO.	SERIAL NO.			
										1309.43669X00				
										APPLICANT Hiroshi SUZUKI et al.				
										FILING DATE March 18, 2004				

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR	
		2	0	0	6	2	3	8	7						
	AA	2	0	0	6	2	4	5	4	5/02	Yatziv				
		2	0	0	6	2	4	5	4	5/02	Fung				
		2	0	1	8	9	8	1	1	10/03	Peeke et al				
		2	0	1	3	5	5	7	7	7/03	Weber et al				
		2	0	1	1	7	5	1	7	6/04	Beauchamp et al				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
		YES													

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AA	ESG Product Brief EMC, March 2003, CLARiON with ATA, pp. 1-2.
EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO.	SERIAL NO.
	1309.43669X00	10/802,913
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT Hiroshi SUZUKI et al.	
(Use several sheets if necessary)	FILING DATE March 18, 2004	GROUP 2836

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	EMC CLARiiON Backup Storage Solutions Back-up-to-Disk Guide with LEGATO Networker DiskBackup Option (DBO), Engineering White Paper, 4/8/2003, pp. 1-28.
	EMC CLARiiON Backup Storage Solutions Backup-to-disk Guide with Computer Associates, BrightStor ARCserve Backup, Engineering White Paper, 4/16/2003, pp. 1-24.
	EMC CLARiiON Backup Storage Solutions Backup-to-Disk Guide with CommVault Galaxy, Engineering White Paper, 3/3/2003, pp. 1-26.
	EMC CLARiiON Backup Storage Solutions Backup-to-Disk Guide: An Overview, Engineering White Paper, 3/3/2003, pp. 1-10.
	EMC CLARiiON Backup Storage Solutions Backup-to-Disk Guide with Computer Associates BrightStor Enterprise Backup, Engineering White Paper, 4/16/2003, pp. 1-23.

EXAMINER **DATE CONSIDERED**

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 1309.43669X00	SERIAL NO. 10/802,913
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT H. Suzuki, et al	
		FILING DATE March 18, 2004	GROUP 2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
AA	6,763,409	07/13/04	Elliott, Stephen J.			
	AB 5,812,754	09/22/98	Liu et al			
	AC 5,432,046	06/06/95	Nunnelley et al			
	AD 5,848,282	12/08/98	Kang et al			
	AE 2002/ 062454	05/23/02	Fung, Henry T.			
AA	AF 5,805,788	09/08/98	Johnson			
AA	AG 2004/ 0221101	11/04/04	Voorhees et al			
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL						<input type="checkbox"/>	<input type="checkbox"/>
AM	0795824	09/17/97	EP			<input type="checkbox"/>	<input type="checkbox"/>
AN						<input type="checkbox"/>	<input type="checkbox"/>
AO						<input type="checkbox"/>	<input type="checkbox"/>
AP						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR	AA	Judd, Ian, "Device Services Interface", Online, June 19, 1996, pp. 1-8.
AS		"Veritas Volume Manager Storage Administrator 3.2, Administrator's Guide", Veritas Software Corporation, Online, July, 2001, pp. 1-184.
AT	AA	Synetic Inc., SyneRAID -800SA, SCSI/Fibre-toSATA RAID Subsystem product information, available at: http://www.synetic.net/Synetic-Products/SyneRAID-Units/SyneRAID-800SATA/SyneRAID-800SA.html
	AA	"SATA Disk System and Expansion of Unit offer 3.5 TB storage", Product News Network, Nov. 1, 2004.
EXAMINER		DATE CONSIDERED

BEST AVAILABLE COPY

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 1309.43669X00	SERIAL NO. 10/802,913
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT H. Suzuki, et al	
		FILING DATE March 18, 2004	GROUP 2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
AK	AA 2002/0069317	06/06/02	Chow et al			
	AB 2002/0069334	6/06/02	Hsia et al			
	AC 2003/0031187	02/13/03	Heffernan et al			
	AD 2003/00221061	11/27/03	El-Batal et al			
	AE 2004/0010660	01/15/04	Konshak et al			
	AF 2004/0034731	02/19/04	Sivertsen			
	AG 2004/0193791	09/30/04	Felton et al			
	AH					
	AI					
	AJ					
	AK					

FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES <input type="checkbox"/> NO <input type="checkbox"/>
	AL					<input type="checkbox"/> <input type="checkbox"/>
	AM					<input type="checkbox"/> <input type="checkbox"/>
	AN					<input type="checkbox"/> <input type="checkbox"/>
	AO					<input type="checkbox"/> <input type="checkbox"/>
	AP					<input type="checkbox"/> <input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR	SGI InfiniteStorage TP9300S Storage Array, Data Sheet, available at: http://www.sgi.com/pdfs/3643.pdf
AS	Adaptec FS4500 Fibre to SATA RAID, Data Sheet, available at: http://www.sunstarco.com/PDF%20Files/Adaptec%20FS4500%20SATA.pdf
AT	

EXAMINER	DATE CONSIDERED
----------	-----------------

BEST AVAILABLE COPY

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 1309.43669X00	SERIAL NO. 10/802, 913
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT H. SUZUKI et al	
		FILING DATE March 18, 2004	GROUP 2836

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
A	AA 2005/0138154	06/23/05	Seto			
	AB 2005/0097132	05/05/05	Cochran et al			
	AC 2004/0148460	07/29/04	Steinmetz et al			
	AD 6,834,326	12/21/04	Wang et al			
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES <input type="checkbox"/> NO <input type="checkbox"/>
	AL					<input type="checkbox"/> <input type="checkbox"/>
	AM					<input type="checkbox"/> <input type="checkbox"/>
	AN					<input type="checkbox"/> <input type="checkbox"/>
	AO					<input type="checkbox"/> <input type="checkbox"/>
	AP					<input type="checkbox"/> <input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR	AA	Infortrend EonStor A16F-R1211/S1211 FC-to-SATA RAID Subsystem product information, available at: http://www.infortrend.com/2_product/a16f-r(s)1211.asp				
	AS					
	AT					
EXAMINER	<i>Ad</i> <i>S</i>			DATE CONSIDERED 3/6/07		

BEST AVAILABLE COPY